AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

What is claimed is:

1. (Currently Amended) A selective device recognition apparatus in a UPnP based home network, the apparatus comprising:

a network stream processing unit ~~for parsing~~ configured to parse a device characteristic data ~~stream~~ of a device and ~~reading~~ to read a ~~pertinent~~ network transmission possible identifier ~~of the~~ and a device characteristic identifier; and

a network transmission judging unit ~~for comparing~~ configured to compare the read network transmission possible identifier with a preset network transmission possible identifier, ~~and judging~~ to judge whether to perform network transmission of the device characteristic data according to a result of the comparison ~~the comparison result~~, and to selectively transmit the device characteristic data when the comparison result of the judging unit indicates the network transmission of the device characteristic data should be performed.

2. (Currently Amended) The apparatus of claim 1, further comprising:

a network interface ~~for receiving~~ configured to receive the device characteristic data transmitted from a home network device; and

a transmission ~~judgement~~ judgment table in which ~~a~~ the ~~pertinent~~ network transmission possible identifier is matched-recorded ~~by a~~ with the device characteristic identifier read from the network stream processing unit.

3. (Currently Amended) The apparatus of claim 1, wherein the network stream processing unit includes:

a preprocessor ~~for parsing~~ configured to parse the device characteristic data ~~stream~~;

a buffer manager ~~for~~ configured to temporally ~~storing~~ store the device characteristic data parsed in the preprocessor in ~~the~~ a buffer and ~~outputting~~ to output a registry signal corresponded thereto; and

an identifier reader ~~for searching~~ configured to search the device characteristic data temporally stored in the buffer according to the registry signal outputted from the buffer manager and ~~reading~~ read the ~~a~~ device characteristic identifier and ~~a~~ the network transmission identifier.

4. (Currently Amended) The apparatus of claim 3, wherein the preprocessor performs parsing of the device characteristic data ~~stream~~ by device characteristic data units divided by a token(/).

5. (Currently Amended) The apparatus of claim 1, wherein the network transmission judging unit includes:

a device characteristic identifier detecting module ~~for detecting~~ configured to detect a device characteristic identifier that is the same with the device characteristic identifier read from the network stream processing unit;

a network transmission possible identifier comparing module ~~for comparing~~ configured to compare the network transmission possible identifier detected by the device characteristic identifier detecting module with the network transmission possible identifier read from the network stream processing unit ; and

a transmission judging module ~~for judging~~ configured to judge whether it is possible to perform the network transmission of ~~pertinent~~ the device characteristic data indicated by the device characteristic identifier according to the comparison result.

6. (Currently Amended) A selective device recognition method in a UPnP based home network, the method comprising:

receiving and parsing a device characteristic data ~~stream and parsing it~~;

reading a device characteristic identifier and a network transmission possible identifier from the parsed device characteristic data; and

comparing the read network transmission possible identifier with a ~~pre-recorded~~preset network transmission possible identifier, ~~and~~ judging whether to perform network transmission of the device characteristic data corresponded to the read device characteristic identifier is performed according to a result of

the comparison~~the comparison result~~, and selectively transmitting the device characteristic data when the comparison result of the judging unit indicates the network transmission of the device characteristic data should be performed.

7. (Currently Amended) The method of claim 6, wherein parsing ~~of~~ the received device characteristic data ~~stream~~ is performed by device characteristic data units divided by a token(/) or parsing ~~of~~ the received device characteristic data ~~stream~~ is performed by inserting a null string after the token in the parsing step.

8. (Currently Amended) The method of claim 6, wherein the device characteristic data ~~stream~~ is a request message for UPnP device recognition in a UPnP CP (control point) device.

9. (Original) The method of claim 8, wherein the request message includes inherent network transmission possible identifier information per each device characteristic identifier.

10. (Original) The method of claim 8, wherein the UPnP device includes the network transmission possible identifier, and recognition is judged by the UPnP CP device.

11. (Currently Amended) The method of claim 8, wherein the UPnP CP device and the UPnP device exist in ~~the~~ a same local network.

12. (Currently Amended) The method of claim 6, wherein the device characteristic data ~~stream~~ is an advertisement message for notifying a UPnP device itself.

13. (Original) The method of claim 12, wherein the advertisement message includes inherent network transmission possible identifier information per each device characteristic identifier.

14. (Currently Amended) The method of claim 6, wherein ~~a~~ the ~~pertinent~~ network transmission possible identifier of the read device characteristic identifier is compared with a network transmission possible identifier recorded in a transmission ~~judgement~~ judgment table in the network transmission judging step.

15. (Currently Amended) The method of claim 6, wherein the network transmission judging step includes ~~the sub-steps of~~:

outputting a request message to a UPnP CP (control point) device ~~in case of~~for a message not having network transmission possible identifier information; and

sequentially comparing each network transmission possible identifier with each network transmission possible identifier of a UPnP device ~~in case of~~for a message having network transmission possible identifier information and transmitting a ~~pertinent~~ response message to the UPnP CP device according to the comparison result ~~(coincidence)~~.

16. (Currently Amended) The method of claim 6, wherein the network transmission judging step includes ~~the sub-steps of~~:

recognizing a UPnP device by a general recognition process ~~in case of~~ for a message not having the network transmission possible identifier information; and

sequentially comparing the network transmission possible identifier information with a network transmission possible identifier of a UPnP CP device when the network transmission possible identifier information is detected and recognizing a pertinent device and a service according to the comparison result ~~(coincidence)~~.